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July Contest Results

Several gifted mathematicians (or Google-searchers) replied to the rope around Earth question. Congratulations to Joel Reynolds for being the first to correctly answer how much longer a rope wrapped around the earth would need to be to be one foot off the ground everywhere. And I quote " $C=2\pi\text{radius}$, then to increase the radius by 1 foot would result in an increase in circumference of 2π (assuming radius is measured in feet). I.e., need **another 6.283.... feet of rope.**"



August Contest

And now for something completely different... The [Region 7 Climate Change website](#) is getting a much needed overhaul. This month's contest is for the best three photos

showing the impacts of climate change in Alaska. The winner(s) will be selected by a partial panel of 2. In addition to the traditional bragging rights, your photo will appear prominently on the the new and improved website and in the upcoming newsletter!

Submit your photo here!

Peer Review Comments on Draft Technical Guidance

March 29, 2013, R7 submitted comments on the Draft Technical Guidance (DTG) on Selecting Species for Landscape Scale Conservation. A copy of those comments was provided to all staff in early April 2013. Based on input from FWS staff and partners, the DTG was revised and submitted for external, scientific peer review.

The peer review report and the revised document used by the peer review panel are both now available on the HQ Science Applications website under the Peer Review Agenda page (http://www.fws.gov/science/peer_review_agenda.html).

You can also access these documents directly at:

- [Revised DTG \(March 18, 2014\)](#)
- [Peer review comments](#)

The Service will be working with a contractor to review and address the comments and recommendations of the peer review panel and to produce a final document for Service employees and partners to use as a technical reference when selecting surrogates. A new Scope of Work outlining the specific responsibilities of

the contractor will be posted once finalized.

Contact [Charla Sterne](#) with any questions.

Traditional Knowledge of Environmental Change: *Arctic LCC Intern Collaborates with Arctic NWR in Kaktovik*

Mo Correll is a PhD candidate at the University of Maine and a research fellow in the “Adaptation to Abrupt Climate Change” IGERT program. As part of her internship for IGERT she is working with the Arctic LCC to produce a needs assessment and work plan to support development of a coastal change visualization tool for resource managers and communities.



To prepare the assessment, she is interviewing representatives of land management agencies active on the arctic coast, and residents of the village of Kaktovik, a coastal community within the Arctic National Wildlife Refuge (Arctic NWR). She travelled to Kaktovik in June with USGS research oceanographer Li Erikson to present preliminary results of a modelling study (jointly funded by USGS and the Arctic LCC) on future flood regime change around Kaktovik, and make local contacts. After that, Mo assisted Arctic NWR at a coastal field research site. Arctic NWR staff facilitated logistics in Kaktovik, and helped her coordinate with the Arctic Borderlands Ecological Knowledge Cooperative (<http://taiga.net/coop/>). This multi-agency, multi-stakeholder group conducts semi-annual interviews in communities in Canada’s Northwest and Yukon territories and northeast Alaska, to record Traditional Ecological Knowledge (TEK) of environmental change. Mo added several questions to the existing TEK interview format specific to the coastal information needs assessment, and is conducting the interviews jointly with an Arctic Borderlands representative. She is travelling to Kaktovik in the last week of August to begin the interview process, and hopes to return later in the year to present the results of the joint interviews to the community.



Follow Arctic LCC on Facebook to stay current on Arctic climate science and info for adapting to emerging Arctic conditions.

Aleutian & Bering Sea Islands LCC

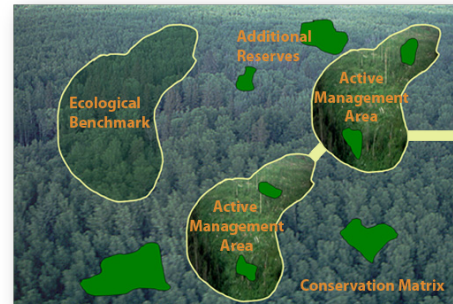
Community conversations in Unalaska & St. Paul to start a dialogue with ABSI community residents about climate change and adaptation



In September and October ABSI LCC will host two community conversations in Unalaska and St. Paul. These events are part of our Aleutians and Bering Climate Vulnerability Assessment ([the ABCVA](#)). Together with partners from the [Alaska Ocean Observing System](#) (AOOS) and the [Alaska Climate Science Center](#) (ACSC) ABSI has convened a team of 30 top researchers that are working to identify key vulnerabilities of species and resources in the region to climate change. The results of that work will be featured at these two events through a combination of lectures, facilitated discussions and the development of a climate change curriculum developed specifically for schools in our region. These events will be hosted by the Qawalangin Tribe of Unalaska and by the Pribilof School District and Aleut Community of St. Paul for their [Bering Sea Days](#) event. We hope this can be the start of sustained dialogue about climate change and adaptation with residents of ABSI communities.

Northwest Boreal LCC

Conservation model asks “How much is too much?” Rather than “How much is enough?” Regarding human development on the landscape

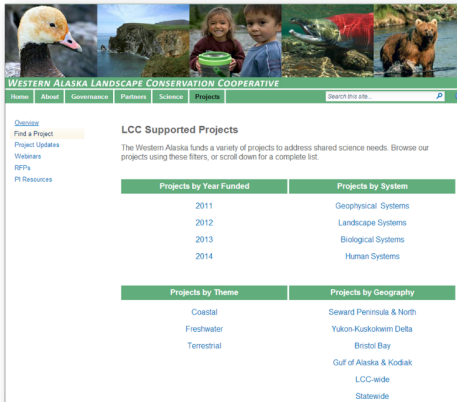


NWB LCC and partners are collaborating with the Canadian Boreal Ecosystems Analysis for Conservation Networks (BEACONS) project team to support the application of the Conservation Matrix Model (CMM) within the NWB LCC region. Landscape Conservation Design goals supported by the CMM include maintaining ecological flows such as the movements of organisms, water, and nutrients across the landscape, as well as identifying ecologically sustainable activities that will ensure the achievement of shared goals and measurable objectives. [More information on BEACONS](#).

The project will include assistance with the acquisition and development of datasets, modification of software planning tools, delivery of workshops for knowledge and technology transfer, and undertaking a LCC-wide assessment of potential benchmark networks including

Western Alaska LCC

Resource: Projects Highlighted at WesternAlaskaLCC.org

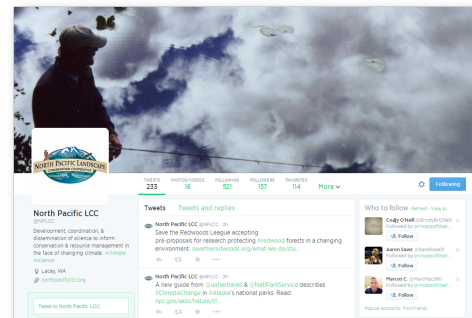


To facilitate accessibility to project results and products, the Western LCC website now includes a dedicated page for each LCC-supported project. These pages include a description of the project, interim products, links to datasets, and final results and reports. LCC staff have completed pages for all projects funded through 2013, and anticipate completing 2014 project pages soon. [Browse the projects](#) and check back often for updates.

existing protected areas and pilot case studies in the Central Yukon and Bering Sea – Western Interior Resource Management Planning areas.

North Pacific LCC

NPLCC Utilizing Social Media to Communicate Efforts



The NPLCC has been working to develop social media pages as a tool to communicate their and partner work and engage with broad audiences. As part of their Communication & Outreach Strategy, social media outreach is a top priority for the NPLCC in 2014. They welcome you to connect via your personal and professional accounts to stay updated on NPLCC & partner news. Find the NPLCC on [Facebook](#), [Twitter](#) and [YouTube](#).

Upcoming Opportunities

Funding

[National Wildlife Refuge Friends Grant Program](#)

Proposals due 9/30/14

[Yukon River Restoration and Enhancement Fund](#)

Project Concept forms due 10/1/14

[North American Wetlands Conservation Act \(NAWCA\) Small Grants Program](#)

Proposals due 11/7/14

What's New in Alaska Region Science?

Marcot, B.G., Jorgenson, M.T., & DeGrange, A.R. (2014). *Low-Altitude Photographic Transects of the Arctic Network of National Park Units and Selawik National Wildlife Refuge, Alaska, July 2013*. U.S. Department of the Interior/ U.S. Geological Survey.

<http://pubs.usgs.gov/ds/846/pdf/ds846.pdf>

Ricca, M.A., Van Vuren, D.H., Weckerly, F.W., Williams, J.C., Miles, K.A. (2014). *Irruptive Dynamics of Introduced Caribou on Adak Island, Alaska: An Evaluation of Riney-Caughley Model Predictions*. *Ecosphere* 5 (8): 1-24. <http://dx.doi.org/10.1890/ES13-00338.1>

Rowland, E.L., Cross, M.S., & Hartmann, H. (2014). *Considering Multiple Futures: Scenario Planning to Address Uncertainty in Natural Resource Conservation*. U.S. Fish & Wildlife Service.

<http://www.fws.gov/home/feature/2014/pdf/Final%20Scenario%20Planning%20Document.pdf>

Stein, B.A., P. Glick, N. Edelson, and A. Staudt (eds.). (2014). *Climate-Smart Conservation: Putting Adaptation Principles into Practice*. National Wildlife Federation, Washington, D.C.

http://www.nwf.org/pdf/Climate-Smart-Conservation/NWF-Climate-Smart-Conservation_5-08-14.pdf

We would like to feature your recent publications and/or datasets here!

If you have something you'd like to bring to a larger audience, please contact:

brett_parks@fws.gov.

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